2609/14-15

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

Job code: 009-16-000003

First and Final Bill

M. A. R. 57 (Rule 116)

Measurement Book

No. B 260825

Serial No. ..... Improvement and Asphalting to Roads at Aryanagar Swamy Layout Balance Roads in Ward No. 09. Vidyaranyapura Sub Division.

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency ..... Sri R. Madhusudhan, #830, 5th Block, BEL Lo

Date of commencement of work ..... Vidyaranyapura (P), Banglore-97. ER-677/14 12/16

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work order No: BBMP/EE/BTP/WO/126/2016-17 Date: 21.09.2016						
	Est cost: Rs. 30.00 lakhs						
1)	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods etc complete						
	9% as per Measurement Recorded vide page No: 260882 to 886 of this MBis			1171.01	Limit	1170.15 m³	
					ER. 75.00/m³		87761.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) Removing B.S. slab of drain and stacking etc complete as per premeasurement Recorded vide page no. 26089 1/1 to 892 of this MB i/s 2899.85 sq.m Limit					2821.50 sq.m	163647=00
						ER. 58 /sq.m	
	3) Refixing stone slabs of drain and pointing in CM (1:3) etc complete qty vide item No (2)					2821.50 sq.m	211613=00
						ER. 75.00/sq.m	
	4) Scarifying kankar/gravel/metal crust upto 150 mm thick with pick axes and disposal of stuff with in a lead of 100 m including cost of all labour charges etc complete as per premeasurement Recorded vide page no. 26088 1/1 to 886 of this MB i/s					2891.00 sq.m	63602=00
						ER. 22.00 1300.00/sq.m	

Serial No. .....
Name of Work ...
Name of Contra
Date of commer

Date	Ful
1	
5)	prov... cutting... the w... & wid... paver vibrati...

…REMENT BOOK

…ber	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
…d Macking …e complete					
…asurement Recorded vide					
…l to 882 of this MB it's				2821.50 m²	
899.85 m²				Limit -	
				eR. 58/m²	163647=00
…d painting in CH (1:3) etc complete					
…cle item No (5)				2821.50 m²	
				eR. 75.00/m²	211613=00
…al crust upto 150 mm thick with					
…ulb with in a lead of 100 m including					
…omplete					
…asurement Recorded vide page no:					
…l to 886 of this MB it's				2891.00 m²	63602=00
				22.00	
				eRs. 1300/m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260826

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
5)	providing. Laying. Spreading and compacting graded stones aggregates to wet mix macadam specifications including premixing the materials with water at one in mechanical mix plant comprise of mixed method of tipper to site laying in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete						
	as per pre measurement Recorded vide page no:						
	260887 to 888 of this MB it's				Limit -	551.954 m³	
	556.17 m³						
					eRs. 1300/m³		717535=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6) Providing and applying Primer coat with SS bitumen emulsion on prepared surface of granular base such as WBM WMM including cleaning of road surface and spraying primer coat at the rate of 0.60 kg/sq.m using mechanical means etc complete as per specification						
	Adj as per premeasurement Recorded vide page No. 260889 to 891 of this MB					5344.17 sqm	
					ERA. 31.00/m2		165669=00
	7) Providing and laying semi dense bituminous concrete using crushed aggregates of specification graded premixed with bituminous binder and filler transporting the hot mix to work site laying with a hydrostatic paver finisher with sensor control to the required grade level and alignment rolling with smooth wheeled vibratory and tandem roller to achieve the desired compaction as per MORTH specification with 100-120 TPH capacity HMP with sensor paver gr-II (25mm to 30mm) with 5% VG-30 Bitumen etc complete as per specification.						
	Sidalavinayaka LLO	1	30.00	(6.0+5.2)/2	0.025	4.20	

Serial No. .....
Name of Work ..
Name of Contra
Date of commer

Date	Full
1	

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber	Length	Breadth	Depth		
3	4	5	6	7	8
at with SS bitumen emulsion on a as WBM WMM including cleaning & at the rate @ 0.60 kg/sq meter spreadation					
easurement Recorded vide page No. to 84 & this MB @				5344.17 sqm	
		ERA.	31.00/m²		165669=00
bituminous concrete using crushed premixed with bituminous binder and n site laying with a hydrostatic paver required grade level and alignment rolling d tandem roller to achieve the desired cation with 100-120 TPH capacity HMP with) with 5% VG-30 Bitumen all complete					
1	30.00	(6.0+5.2)/2	0.025	4.20	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260827

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	29.00	(5.2+5.7)/2	0.025	3.95	
		1	30.00	(5.0+5.6)/2	0.025	3.98	
		1	30.00	(5.6+5.2)/2	0.025	4.05	
		1	30.00	(5.2+4.2)/2	0.025	3.53	
		1	15.50	(4.2+4.5)/2	0.025	1.09	
	Balavarasanthi 4th cross	1	30.00	(5.5+5.3)/2	0.025	4.05	
		1	30.00	(5.3+4.2)/2	0.025	3.75	
		1	14.80	(4.2+6.0)/2	0.025	2.38	

CB 5th 14/11

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	APL Layout 1st cross	1	30.00	(4.5+4.3)/2	0.025	3.30	
		1	6.70	(4.3+5.2)/2	0.025	0.80	
		1	30.00	(5.0+4.8)/2	0.025	3.68	
		1	30.00	(4.8+5.6)/2	0.025	3.90	
		1	30.00	5.60	0.025	4.20	
		1	30.00	5.60	0.025	4.20	
		1	30.00	(5.6+4.9)/2	0.025	3.94	
		1	30.00	(4.9+5.2)/2	0.025	3.79	
		1	30.00	(5.2+5.1)/2	0.025	3.86	
		1	21.50	(5.1+5.4)/2	0.025	2.82	
	F.L.						

REMENT BOOK

ber	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	30.00	(4.5+4.3)/2	0.025	3.30	
1	6.70	(4.3+5.2)/2	0.025	0.80	
	30.00	(5.0+4.8)/2	0.025	3.68	
1	30.00	(4.8+5.6)/2	0.025	3.90	
1	30.00	5.60	0.025	4.20	
1	30.00	5.60	0.025	4.20	
1	30.00	(5.6+4.9)/2	0.025	3.94	
1	30.00	(4.9+5.2)/2	0.025	3.79	
1	30.00	(5.2+5.1)/2	0.025	3.86	
1	21.50	(5.1+5.4)/2	0.025	2.82	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260828

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Lakeshore garden 2nd cross Rls	1	30.00	(5.7+5.8)/2	0.025	4.31	
		1	30.00	(5.8+5.6)/2	0.025	4.28	
	C/FC.	1	30.00	(5.6+5.4)/2	0.025	4.13	
	14/12	1	30.00	(5.4+6.2)/2	0.025	4.35	
		1	22.80	(6.2+5.1)/2	0.025	3.21	
	1st cross Rls	1	30.00	(6.2+6.0)/2	0.025	4.58	
		1	30.00	(6.0+5.4)/2	0.025	4.28	
		1	30.00	(5.4+5.8)/2	0.025	4.20	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	3.40	(5.8+7.0)/2	0.025	0.54	
	1st cross LLS	1	30.00	(6.5+5.7)/2	0.025	4.58	
		1	30.00	(5.7+6.1)/2	0.025	4.43	
		1	30.00	(6.1+6.5)/2	0.025	4.73	
		1	30.00	(6.5+6.8)/2	0.025	4.99	
		1	19.20	(6.8+6.4)/2	0.025	3.17	
	Hanuman LLO 1st cross	1	30.00	(3.8+3.6)/2	0.025	2.78	
		1	41.70	(3.6+4.1)/2	0.025	1.13	
	3rd cross	1	30.00	(3.4+3.8)/2	0.025	2.70	
		1	10.00	(3.8+4.0)/2	0.025	0.98	

Serial No. .....
Name of Work .....
Name of Contractor of
Date of commencemen

Date	Full descript
1	2

8) Lead for c
mechanical
specification

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
1	3.40	(5.8+7.0)	0.025	0.54	
1	30.00	(6.5+6.7)	0.025	4.58	
1	30.00	(5.7+6.1)	0.025	4.43	
1	30.00	(6.1+6.5)	0.025	4.73	
1	30.00	(6.5+6.8)	0.025	4.99	
1	19.20	(6.8+6.4)	0.025	3.17	
1	30.00	(3.8+3.6)	0.025	2.78	
1	41.70	(3.6+4.1)	0.025	1.13	
1	30.00	(3.4+3.8)	0.025	2.70	
1	10.00	(3.8+4.0)	0.025	0.98	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260829

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2nd cross	1	30.00	(5.5+5.8)	0.025	4.24	
						133.60 m³	1132260-
				Rs. 8475.00/m³			(1132256 = 20)
	8) lead for disposal & depth shall be payable at consigner rates by mechanical means including loading and unloading etc complete as per specification						
				Qty vide Item No. ①		1170.15 m³	
				Rs. 73.00/m³			85421 = 20

AEE (VRP) SD

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total			26,27,508-00

Certificate:

Certified that the above work done is satisfactorily.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Serial No. .....
Name of Work .....
Name of Contractor of n
Date of commencement

Date 1 | Full descript

REMENT BOOK

ber	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Total			26,27,508-00

the above work done is satisfactorily.

Varadhan

ant Executive Engineer
anyapura Sub Division
BMP, Bangalore - 97

30/11/16

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260830

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Sketch showing the work done spot; Hanumaan LTD; 139.20m 4 Rs; 1M cross 41.70m; 2nd cross 30.00m; 3rd cross 40.00m; APC Layout Main Road; 2nd cross 142.90m; 1M cross 93.40m Rs; Thindlu Main Road; 31.00m; Varadhan					Balavinayaka Layout; S 2 cross; U 36.70m; D 77.80m; INDEX: Executed Asphalt Road; 59.00m; Siddivinayaka Layout; 95.50m; AEE (VRP) SD 30/11/16	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs: 26,27,508-00	
						JT - 26275-00	
						VAT - 105100-00	
						CCH - 26275-00	
						CBF - 2628-00	
						LR. 52550-00	
						Adj. 2,12,828-00	
						Cheque: 24,14,680-00	

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 26,27,508-00

ಕಳೆ: ಬಾಕ್ಸ್ ಮಾಡಿದೆ: ಇದಕ್ಕೆ ರೂ. 212828-00

ರೂ. 24,14,680-00

Twenty Four Lakhs Fourteen Thousand Six Hundred Eighty only

14/12

First and F

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Serial No. .....

Name of Work .....

Name of Contractor o

Date of commencem

Date	Full desc
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1)	Hire c
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